



Congratulations on your purchase of a high-quality Insignia product. Your NS-C6500 represents the state of the art in ceiling speaker design and is designed for reliable and trouble-free performance.

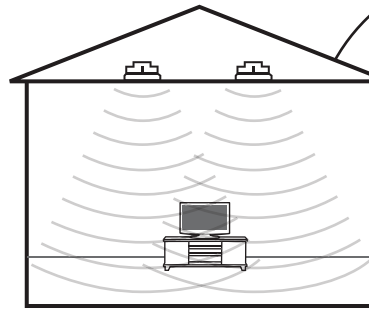
Package contents

- Insignia speakers (2)
- Paint plugs (2)
- Grills (2)
- Template (1)
- *Quick Setup Guide*

Tools you will need:

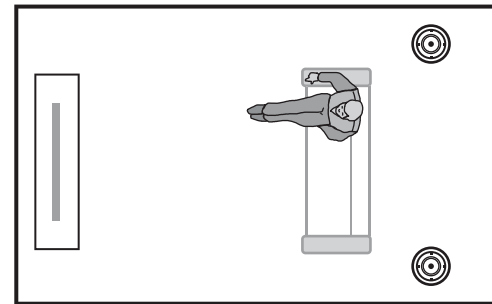
- Pencil
- Keyhole or drywall saw
- Phillips screwdriver
- Small level
- Fish tape or coat hanger
- Wire strippers
- Gloves
- Safety goggles
- Drill
- ¼- to ½-inch drill bit (for drilling test hole)

Mounting speakers in the ceiling For stereo sound



Mount the speakers 6-10 feet apart. Each speaker should be the same distance from the listening area. For detailed mounting instructions, see "Ceiling mount instructions."

For home theater surround sound



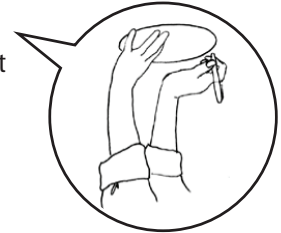
Mount the speakers 6-10 feet apart and 3-6 feet behind the listening area. For detailed mounting instructions, see "Ceiling mount instructions."

Ceiling mount instructions

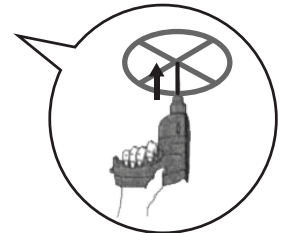
- 1 Determine where you want to mount the speakers. The speakers must be mounted in areas where there are no obstructions like studs (joists). Tap the ceiling to find a "hollow" space, or use a stud finder to locate the studs.

Note: Make sure that your speaker wires are long enough to run from the speakers to your audio equipment. If you plan to run the speaker wires through the walls or ceiling, the wires must be UL or CL rated to ensure your safety and to meet building code compliance.

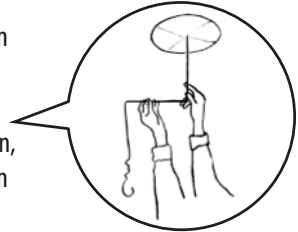
- 2 Position the cardboard mounting template on the ceiling where you want to mount a speaker, then trace around the template.



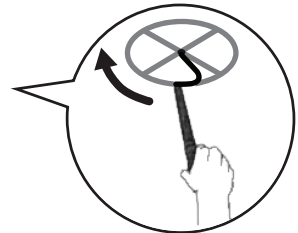
- 3 Drill a small hole in the center of the template outline you drew on the ceiling.



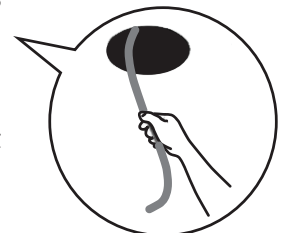
- 4 Bend a piece of coat hanger wire, then insert the wire into the hole. Slowly rotate the wire to check for any obstructions. If you find an obstruction, patch the hole and find a new location for the speaker.



- 5 Using a keyhole or drywall saw, carefully cut the ceiling section you outlined, then remove the section.



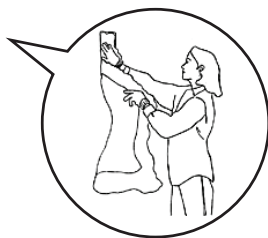
- 6 Run the wires from the speaker outputs on your audio equipment to your speakers. Allow a few extra feet of wire so you will have enough wire to easily connect the speaker before mounting it to the ceiling.



Note: Use high quality wire such as 16 gauge speaker wire.

- 7 (Optional) To improve speaker performance, insert unbacked fiberglass insulation behind and around the speaker.

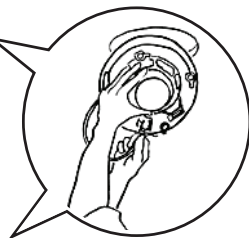
Warning: To avoid personal injury, wear gloves when inserting the insulation.



- 8 Pull the wires through the hole in the ceiling. Strip off the end of the outer wire jacket, then strip about 1/2 inch of the insulation from the ends of the wires.

- 9 Connect the positive wire on your audio equipment to the red terminal on the speaker, then connect the negative wire on your audio equipment to the black terminal on the speaker.

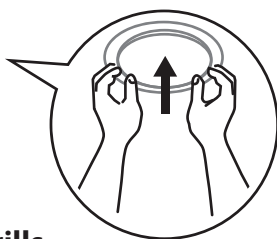
Warning: Make sure that your audio equipment is turned off before you connect the speaker wires.



- 10 Remove the speaker grill by pushing one of the mounting clip screws towards the front of the speaker, then insert the speaker into the hole in the ceiling.

- 11 Tighten the screws evenly until the speaker is flat against the ceiling.
Caution: If you use a drill to tighten the screws, make sure that you set the drill to its lowest torque speed. Do not overtighten screws.

- 12 Reinstall the speaker grill.



Painting the speakers and grills

The speakers have a weather resistant, ABS finish that you can paint.

To paint the speakers and grills:

- 1 Remove the grills from the speakers.
- 2 Make sure that the interior of the speaker is covered so no paint will get inside.

- 3 Insert one of the supplied paint plugs into the speaker to protect the speaker.
- 4 Carefully paint the exposed part of the speaker. Remove the plug when you have finished painting.
- 5 Spray the grill with thin paint (5 parts thinning agent to 1 part paint). Make sure that you do not plug the holes on the grill with paint. Too much paint may adversely affect the speaker sound.

Specifications

- **Woofer** 6 1/2" aluminum cone with a rubber surrounding
- **Tweeter** 3/4" pivoting aluminum dome
- **Frequency response** 50 Hz to 20 kHz
- **Efficiency** 90 dB 1w 1m
- **Power** 5 watts minimum to 100 watts maximum
- **Impedance** 8 ohms nominal
- **Grill metal dimensions** 9" (228mm) Diameter x 3.7" (94mm) Depth
- **Cut-out dimension** 7.68" (195 mm) diameter
- **Weight** 6.9 lbs (3.12 kg) per pair

One-year warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new Product, that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of 1 year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for 1 year from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or

packaging that provides the same amount of protection as the original packaging.
www.insigniaproducts.com

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

Contact Insignia:

For customer service, call 1-877-467-4289.

www.insigniaproducts.com

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